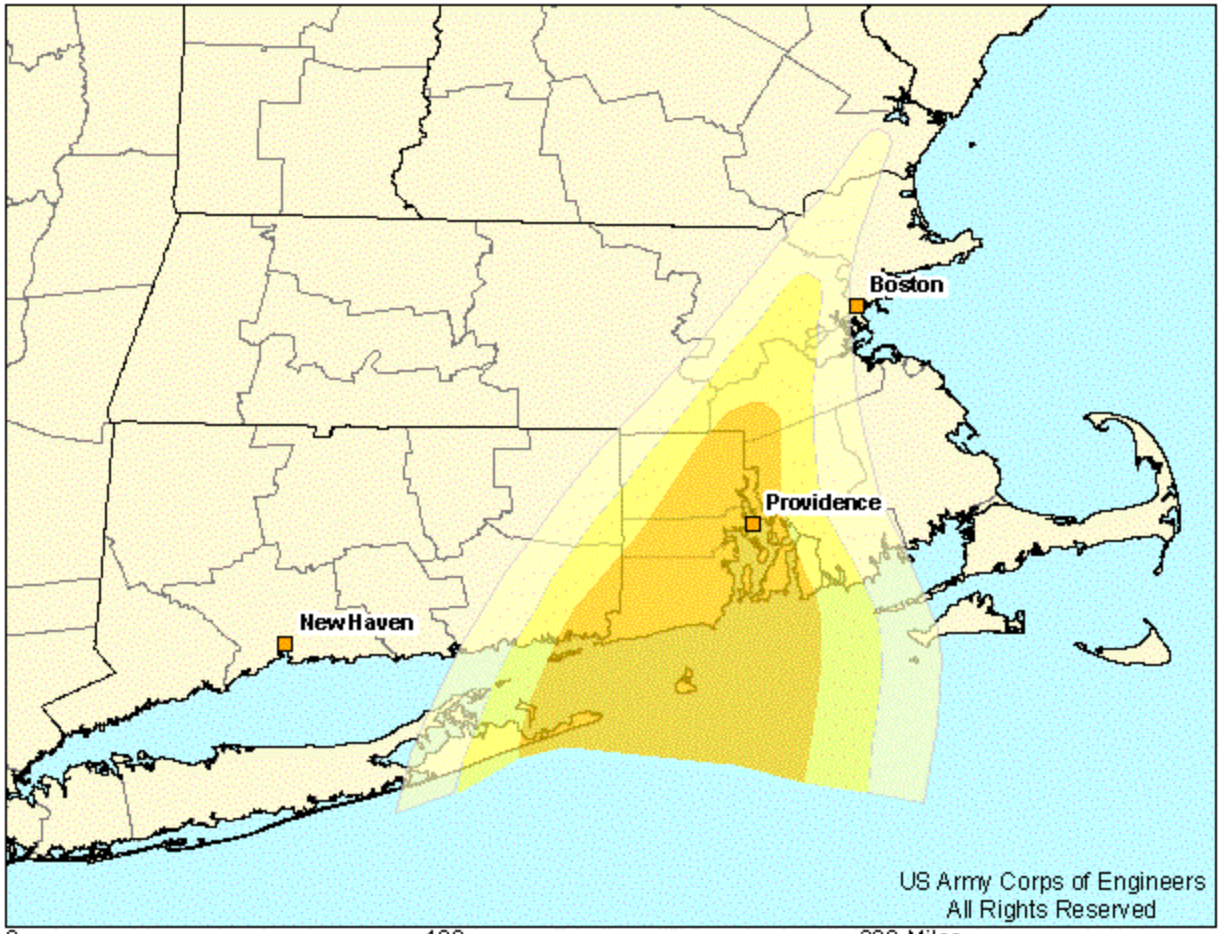
Hurricane NoName Projected Damage Areas

US Army Corps of Engineers

Landfall Expected In About 23 Hours

For Planning Purposes Only!



Post Landfall Projected Damage Areas

This model is based on a Category 2 storm making landfall on coastal RI.

Projected Damage Areas

- CAT 0-type damage
- CAT 1-type damage
- CAT 2-type damage
- CAT 3-type damage
- CAT 4-type damage
- CAT 5-type damage

Information provided on this page displays a projected or actual Category 2 storm making landfall on coastal RI. These projections are based on information from the NHC (1430 EDT 08/12/2009) forecast and extrapolated by LRL staff to represent a landfall condition that has either occurred or may occur in the near future.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

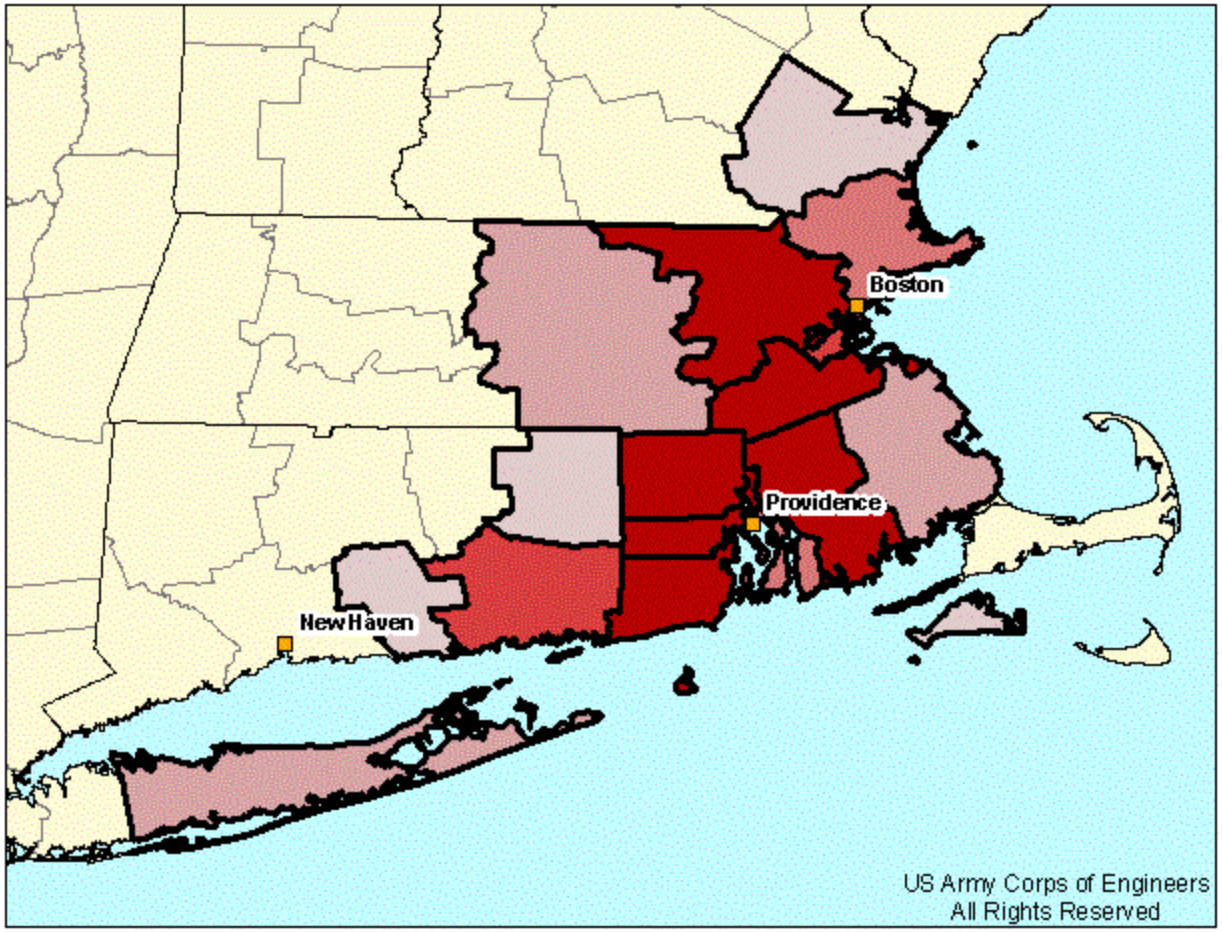
Hurricane NoName Projected Damage Areas	
Generated By: Siemsen, LRL 1500 EDT 08/12/2009	
Sources: HURREVAC LRL-DEBRIS	Page 1 of 13

US Army Corps of Engineers

Hurricane NoName Debris Model

Landfall Expected In About 23 Hours

For Planning Purposes Only!



Post Landfall Debris Model Results

Rhode Island - 6,837,000 Yards
Massachusetts - 5,565,000 Yards
Connecticut - 599,000 Yards
New York - 144,000 Yards
New Hampshire - 32,000 Yards

Model results per County on following page

This model is based on a Category 2 storm making landfall on coastal RI.

Debris

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 2 storm making landfall on coastal RI. These projections are based on information from the NHC (1430 EDT 08/12/2009) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Debris Model	
Generated By: Siemsen, LRL 1500 EDT 08/12/2009	
Sources: HURREVAC LRL-DEBRIS	Page 2 of 13

US Army Corps of Engineers

Hurricane NoName Debris Model

Landfall Expected In About 23 Hours

For Planning Purposes Only!

State	Yards per State	County	Yards per County
Connecticut		Middlesex County	< 1,000
		New London County	526,000
		Windham County	73,000
Connecticut	599,000		
Massachusetts		Bristol County	1,272,000
		Dukes County	2,000
		Essex County	253,000
		Middlesex County	1,879,000
		Norfolk County	1,080,000
		Plymouth County	107,000
		Suffolk County	806,000
		Worcester County	166,000
Massachusetts	5,565,000		
New Hampshire		Rockingham County	32,000
New Hampshire	32,000		
New York		Suffolk County	144,000
New York	144,000		
Rhode Island		Bristol County	288,000
		Kent County	1,435,000
		Newport County	495,000
		Providence County	3,570,000
		Washington County	1,049,000
Rhode Island	6,837,000		

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane NoName Debris Model

Generated By:
Siemsen, LRL 1500 EDT 08/12/2009

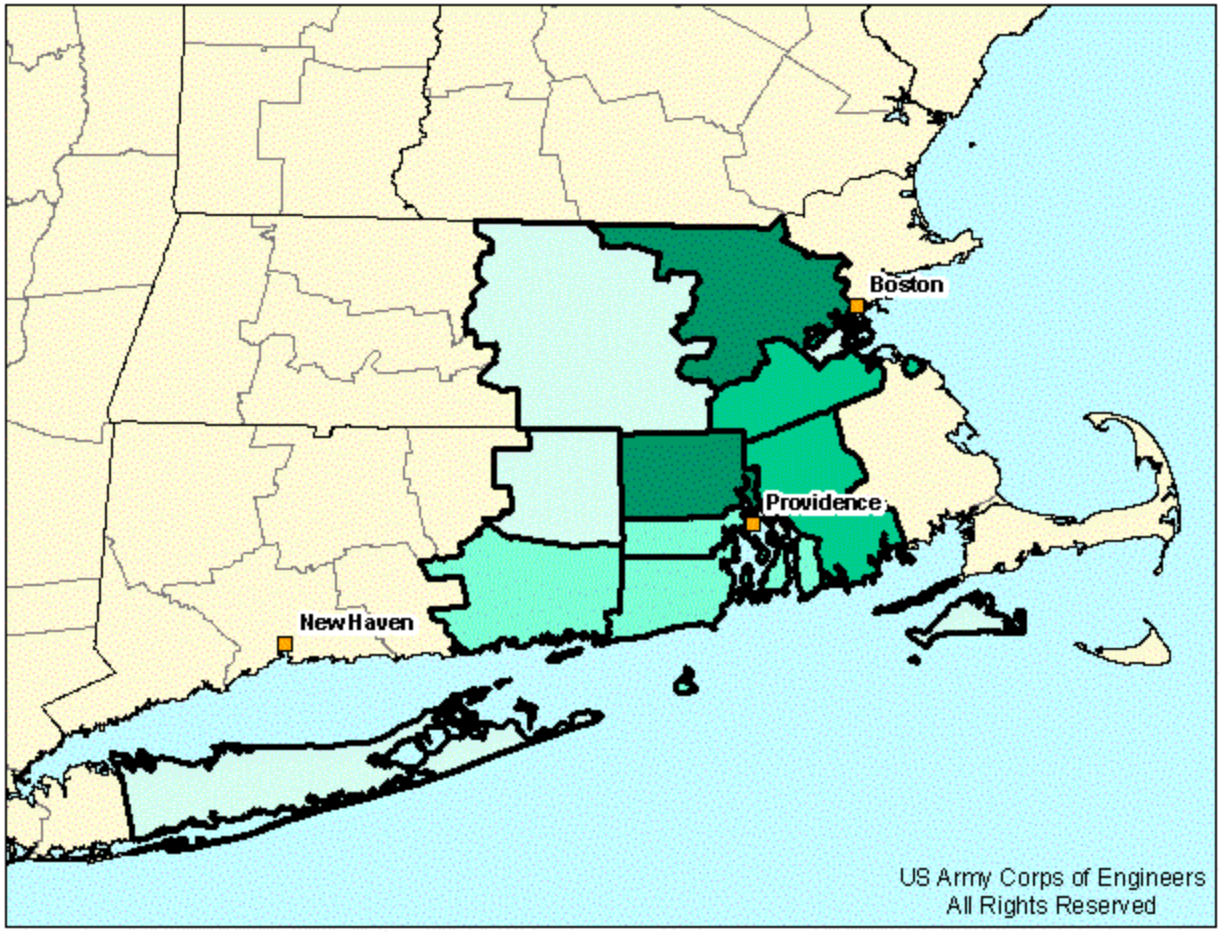
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Commodities Model

Landfall Expected In About 23 Hours

For Planning Purposes Only!



Post Landfall Water Model Results

Day One / Day Two / Day Three

MAs – 16/32/63 Truckloads

RI – 14/28/55 Truckloads

CT – 2/4/7 Truckloads

NY – 1/2/2 Truckloads

Model results per County on following page

This model is based on a Category 2 storm making landfall on coastal RI.

Commodities

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 2 storm making landfall on coastal RI. These projections are based on information from the NHC ***(1430 EDT 08/12/2009)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements and SME input. The graphic represents daily needs with a ramp-up in the distribution system – three days for Points of Distribution (PODs) to be fully in place and operational. Volume shown is for each commodity – water and ice. Commodity need may be supplied by multiple agencies and/or sources.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Commodities Model	
Generated By: Siemsen, LRL 1500 EDT 08/12/2009	
Sources: HURREVAC LRL-DEBRIS	Page 4 of 13

US Army Corps of Engineers

Hurricane NoName Commodities Model

Landfall Expected In About 23 Hours

For Planning Purposes Only!

State	Truckloads per State	County	Truckloads per County
Connecticut		New London County	6
		Windham County	1
Connecticut	7		
Massachusetts		Bristol County	15
		Dukes County	1
		Middlesex County	25
		Norfolk County	16
		Suffolk County	4
		Worcester County	2
Massachusetts	63		
New York		Suffolk County	2
New York	2		
Rhode Island		Bristol County	3
		Kent County	9
		Newport County	5
		Providence County	31
		Washington County	7
Rhode Island	55		

Source: US Army Corps of Engineers, All Rights Reserved

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested daily needs based on full deployment of a commodities distribution system. Volume shown is for each commodity – water and ice. Commodity need may be supplied by multiple agencies and/or sources.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Commodities Model

Generated By:
Siemsen, LRL 1500 EDT 08/12/2009

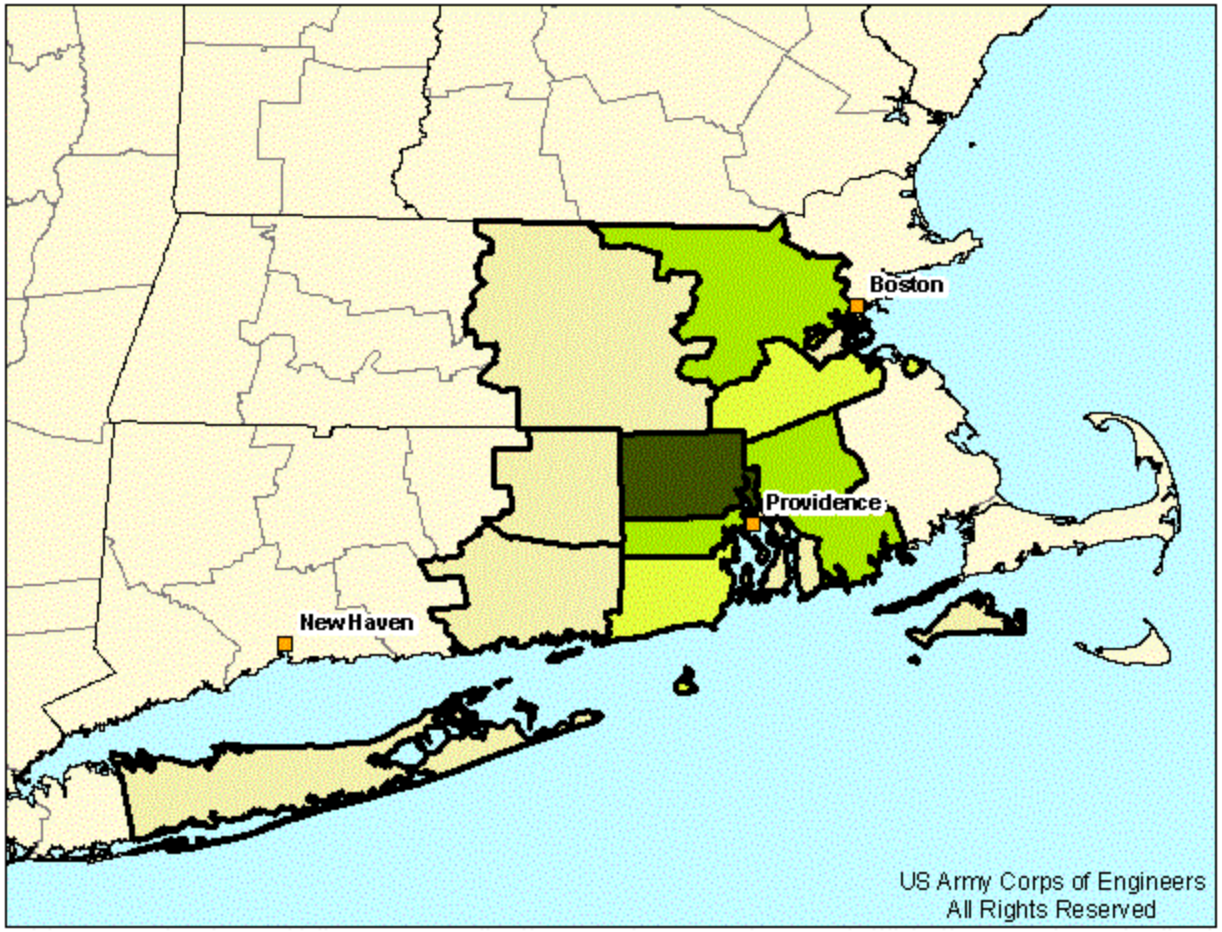
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Temporary Roofing Model

Landfall Expected In About 23 Hours

For Planning Purposes Only!



Post Landfall Temporary Roofing Model Results

Rhode Island - 23,900
Massachusetts - 15,500
Connecticut - 2,000
New York - 500

Model results per County on following page

This model is based on a Category 2 storm making landfall on coastal RI.

Temporary Roofing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 2 storm making landfall on coastal RI. These projections are based on information from the NHC (1430 EDT 08/12/2009) forecast. Temporary roofing is based on 3% in CAT 1 and 6% in CAT 2.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Roofing Model	
Generated By: Siemsen, LRL 1500 EDT 08/12/2009	
Sources: HURREVAC LRL-DEBRIS	Page 6 of 13

US Army Corps of Engineers

Hurricane NoName Temporary Roofing Model

Landfall Expected In About 23 Hours

For Planning Purposes Only!

State	House Units per State	County	House Units per County
Connecticut		New London County	1,800
		Windham County	200
Connecticut	2,000		
Massachusetts		Bristol County	4,400
		Dukes County	< 100
		Middlesex County	5,700
		Norfolk County	3,800
		Suffolk County	1,100
		Worcester County	500
Massachusetts	15,500		
New York		Suffolk County	500
New York	500		
Rhode Island		Bristol County	1,200
		Kent County	4,100
		Newport County	1,900
		Providence County	13,800
		Washington County	2,900
Rhode Island	23,900		

Temporary roofing is based on 3% in CAT 1 and 6% in CAT 2.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane NoName Roofing Model

Generated By:
Siemsen, LRL 1500 EDT 08/12/2009

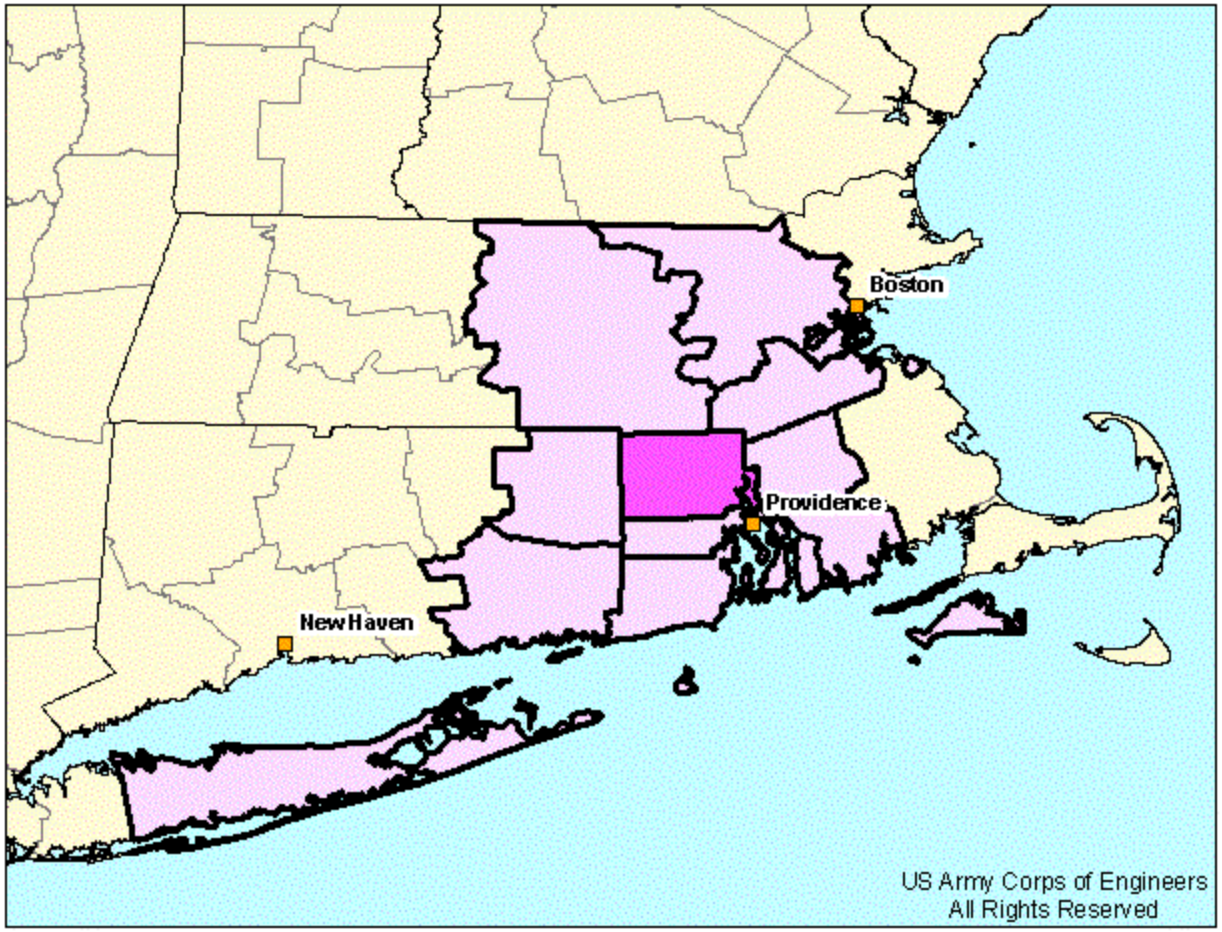
Sources:
HURREVAC
LRL-DEBRIS

Hurricane NoName Temporary Housing Model

US Army Corps of Engineers

Landfall Expected In About 23 Hours

For Planning Purposes Only!



Post Landfall Temporary Housing Model Results

Rhode Island - 8,100
Massachusetts - 5,300
Connecticut - 600
New York - 200

Model results per County on following page

This model is based on a Category 2 storm making landfall on coastal RI.

Temporary Housing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 2 storm making landfall on coastal RI. These projections are based on information from the NHC (1430 EDT 08/12/2009) forecast. Temporary housing is based on 1% in CAT 1 and 2% in CAT 2. The number indicated represents a possible need but not necessarily the scope of mission for USACE.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Housing Model	
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Sources: HURREVAC LRL-DEBRIS	Page 8 of 13

US Army Corps of Engineers

Hurricane NoName Temporary Housing Model

Landfall Expected In About 23 Hours

For Planning Purposes Only!

State	House Units per State	County	House Units per County
Connecticut		New London County	600
		Windham County	< 100
Connecticut	600		
Massachusetts		Bristol County	1,500
		Dukes County	< 100
		Middlesex County	1,900
		Norfolk County	1,300
		Suffolk County	400
		Worcester County	200
Massachusetts	5,300		
New York		Suffolk County	200
New York	200		
Rhode Island		Bristol County	400
		Kent County	1,400
		Newport County	700
		Providence County	4,600
		Washington County	1,000
Rhode Island	8,100		

Temporary housing is based on 1% in CAT 1 and 2% in CAT 2.
The number indicated represents a possible need but not necessarily the scope of mission for USACE.

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or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane NoName Housing Model

Generated By:
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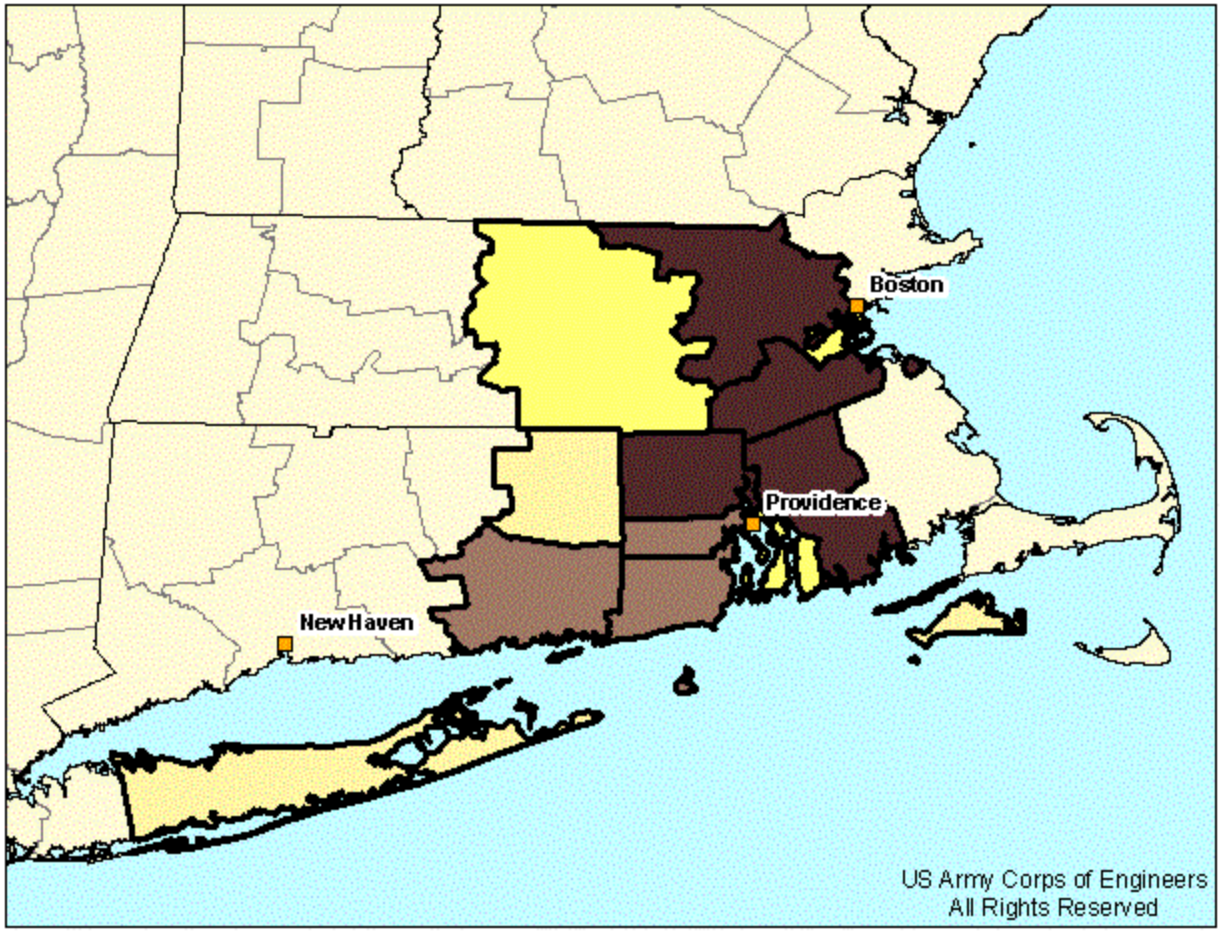
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Population Model

Landfall Expected In About 23 Hours

For Planning Purposes Only!



Post Landfall Population Model Results

Massachusetts - 1,195,000
Rhode Island - 1,044,000
Connecticut - 131,000
New York - 25,000

Model results per County on following page

This model is based on a Category 2 storm making landfall on coastal RI.

Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 2 storm making landfall on coastal RI. These projections are based on information from the NHC (1430 EDT 08/12/2009) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2008 values).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Population Model

Generated By:
Siemsen, LRL 1500 EDT 08/12/2009

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Population Model

Landfall Expected In About 23 Hours

For Planning Purposes Only!

State	Population per State	County	Population per County
Connecticut		New London County	118,000
		Windham County	13,000
Connecticut	131,000		
Massachusetts		Bristol County	288,000
		Dukes County	< 1,000
		Middlesex County	484,000
		Norfolk County	304,000
		Suffolk County	79,000
		Worcester County	40,000
Massachusetts	1,195,000		
New York		Suffolk County	25,000
New York	25,000		
Rhode Island		Bristol County	50,000
		Kent County	169,000
		Newport County	81,000
		Providence County	617,000
		Washington County	127,000
Rhode Island	1,044,000		

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2008 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane NoName Population Model

Generated By:
Siemsen, LRL 1500 EDT 08/12/2009

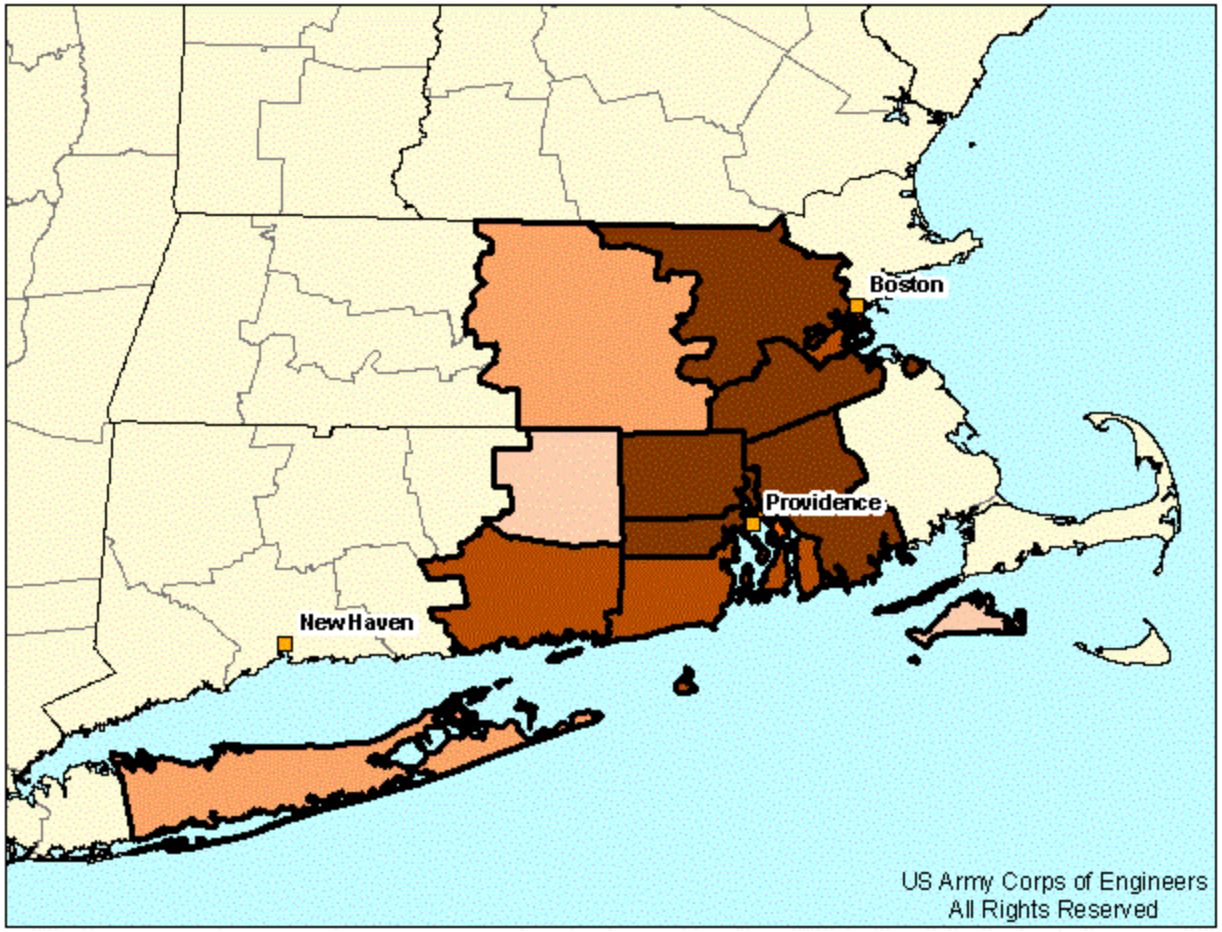
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Households Model

Landfall Expected In About 23 Hours

For Planning Purposes Only!



Post Landfall Households Model Results

Massachusetts - 459,000
Rhode Island - 408,000
Connecticut - 52,000
New York - 11,000

Model results per County on following page

This model is based on a Category 2 storm making landfall on coastal RI.

Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 2 storm making landfall on coastal RI. These projections are based on information from the NHC (1430 EDT 08/12/2009) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2008 values).

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Households Model

Generated By:
Siemsen, LRL 1500 EDT 08/12/2009

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Households Model

Landfall Expected In About 23 Hours

For Planning Purposes Only!

State	Households per State	County	Households per County
Connecticut		New London County	47,000
		Windham County	5,000
Connecticut	52,000		
Massachusetts		Bristol County	111,000
		Dukes County	< 1,000
		Middlesex County	190,000
		Norfolk County	108,000
		Suffolk County	35,000
		Worcester County	15,000
Massachusetts	459,000		
New York		Suffolk County	11,000
New York	11,000		
Rhode Island		Bristol County	19,000
		Kent County	68,000
		Newport County	34,000
		Providence County	239,000
		Washington County	48,000
Rhode Island	408,000		

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2008 values.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane NoName Households Model

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LRL-DEBRIS